

**ABSTRACT**

Disclosed is a system and method for estimating retransmission timeout (RTO) in a  
5 real-time streaming applications over the Internet between a server and a client. Accordingly,  
the present invention employs retransmission timeout (RTO) in NACK-based applications to  
support multiple retransmission attempts per lost packet, wherein the RTO is estimated by an  
actual around-trip delay (RTT) and a smooth inter-packet delay variance.

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